

Type:

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0689

HCAI Preapproval of Manufacturer's Certification (OPM)

X New Renewal/Update

Manufacturer Information

Manufacturer: Sysmex

Manufacturer's Technical Representative: Jill Crist

Mailing Address: 577 Aptakisic Road, Lincolnshire, IL 60069

Telephone: (215) 962-8236

Email: CristJ@Sysmex.com

Product Information

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: Tim Piland		
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e, IL 60069		
Email: CristJ@Sy	ysmex.com	
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Title: Senior Product Manager



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Registered Design Professonal Preparing Engineering Recommendations

Company Name: CYS STRUCTURAL ENGINEERS, INC.

Name: Dieter Siebald

California License Number: S4346

Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento, CA 95833

Telephone: (916) 920-2020

Email: dieters@cyseng.com

HCAI Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
EOR CODE CO.
Certification Method
Testing in accordance with: ICC-ES AC156 FM 1950-16
Other(s) (Please Specify):
*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2022 may be used when approved by HCAI prior to testing.
X Analysis
Experience Data
Combination of Testing, Analysis, and/or Experience Data (Please Specify):
ORNIA STATISTICS
HCAI Approval
Date: 3/6/2025
Name: Timothy Piland Title: Senior Structural Engineer
Condition of Approval (if applicable):



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DESIGN CRITERIA	
SYSMEX XN-3100+DI INSTRUMENTS ELEVATIONS	5
SYSMEX XN-3100+DI INSTRUMENTS PLAN VIEW	
BENCHTOP ATTACHMENT DETAILS	
BRACKET DETAILS	
BRACKET NO. BP179499 "A"	
BRACKET NO. 2148 "B"	
BRACKET NO. 2149 "C"	
BRACKET NO. 2150 "D"	· · · · · · · · · · · · · · · · · · ·
BRACKET NO. 6401 "E"	12
"SAFE-T-PROOF" (STP) FASTENER CONNECTION DETAILS	13
 THE CONTRACTOR & INSPECTOR OF RECORD SHALL OBTAIN A COPY OF FROM THE DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION PROGRAMS WEBSITE. THIS PRE_APPROVAL COVERS THE SUPPORTS & ATTACHMENTS OF THE 	(HCAI) PRE-APPROVAL
FROM THE DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION	(HCAI) PRE-APPROVAL E EQUIPMENT TO THE HARDWARE ARE SUPPLIED SIVE FASTENERS SHOWN
 FROM THE DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION PROGRAMS WEBSITE. 3. THIS PRE-APPROVAL COVERS THE SUPPORTS & ATTACHMENTS OF THIS SUPPORTING STRUCTURE. THE EQUIPMENT, SUPPORT & ATTACHMENT HEAD THE MANUFACTURER. THE BOLTS & "SAFE-T-PROOF" (STP) ADHEST 	(HCAI) PRE-APPROVAL E EQUIPMENT TO THE HARDWARE ARE SUPPLIED SIVE FASTENERS SHOWN
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GENERAL NOTES:

- 1. THIS HCAI PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE CBC 2022.
- 2. IT IS THE RESPONSIBILITY OF THE SEOR FOR A SITE SPECIFIC PROJECT TO VERIFY: A. THE ADEQUACY OF THE NEW OR EXISTING STRUCTURE TO RESIST THE FORCES & WT SPECIFIED FOR
 - EA EQUIP IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQ. B. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE CBC 2022 & W/ THE DETAILS SHOWN IN THIS
 - PRE-APPROVAL.
 - C. THAT THE ACTUAL EQUIP'S WT, CENTER OF GRAVITY (CG) LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, & THE MATERIAL & GAUGE OF THE EQUIP WHERE ATTACHMENTS ARE MADE, AGREE W/ THE INFO SHOWN ON THE PRE-APPROVAL DOCUMENTS.
 - D. THAT THE SURFACE TO WHICH THE EQUIP IS ANCHORED SHALL MEET THE REQUIREMENTS OF THIS OPM.

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	CYS STRUCTURAL ENGINEERS,	INC.		Job No:	23032
	2710 GATEWAY OAKS DRIVE, SUITE 190N	TEL	(916) 920-2020	Date:	01-14-2025
1	SACRAMENTO, CA 95833		www.cyseng.com		2 of 13

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	ATIONS: AT	NO. (#)	NUMBER OR POUNDS
AB	ANCHOR BOLT	NWC	NORMAL WEIGHT CONCRETE
ABV	ABOVE	OP	OPERATING
DJ	ADJACENT		
	AMERICAN SOCIETY OF CIVIL ENGINEERS	OPG	OPENING
		OPM	HCAI PRE-APPROVAL OF
LDG	BUILDING		MANUFACTURER'S CERTIFICATION
ILW	BELOW	PERP	PERPENDICULAR
OTT	BOTTOM	PG	PAGE
YD	BEYOND	Æ	PLATE
BC	CALIFORNIA BUILDING CODE	PSI	
G	CENTER OF GRAVITY	REQ	
	CENTERLINE	SEOR	STRUCTURAL ENGINEER OF RECORD
	CONCRETE		
	CONNECTION	SIM	SIMILAR
OORD		SLWC	SAND-LIGHTWEIGHT CONCRETE
BL	DOUBLE	SPCG	SPACING
		SS	STAINLESS STEEL
TL(S)		STL	STEEL
	DIAMETER	THK	THICK/THICKNESS
E)	EXISTING CONDITION	Tu	ANCHORAGE TENSION REACTION DUE TO
A	EACH	100	SEISMIC FORCE AT LRFD
E	EACH END	THRD	
LEV	ELEVATION	T&B	TOP & BOTTOM
Q	EQUAL	TYP	TYPICAL
QUIP	EQUIPMENT		
		UNO	UNLESS NOTED OTHERWISE
°c	MINIMUM ULTIMATE COMPRESSIVE	Vu	ANCHORAGE SHEAR REACTION DUE TO
	STRENGTH OF CONCRETE	50.0	SEISMIC FORCE AT LRFD
LR	FLOOR	W/	WITH
т (') т	FOOT/FEET	Wp	COMPONENT OPERATING WEIGHT
y	SPECIFIED YIELD STRENGTH OF	WT	WEIGHT
1	REINFORCING, PS OF STEEL, KSI		
SA	GAUGE		
ICAI	DEPARTMENT OF HEALTH CARE ACCESS		
	AND INFORMATION		
ISS	HOLLOW STRUCTURAL SECTION		
CC	INTERNATIONAL CODE COUNCIL		
N (")	INCH		
NFO	INFORMATION		anononana and
(SI	KIPS PER SQUARE INCH		PROFESS / ON A
BS	POUNDS		A States Tores OF
RFD	LOAD & RESISTANCE FACTOR DESIGN		South 1800
AAX	MAXIMUM		10 · 4 7 · 7
IIN	MINIMUM		No. 54346
nm	MILLIMETER		
IOD	MODULE		The the
ATL	METAL		RUCTURA
	METCE		A A T COORDER OF A
			A CALIFORNIA
12.12			- accompany
HEET TI	TLE: ABBREVIATIONS		
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